



# Highlights of CCMC's Evolving Infrastructure

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http://ccmc.gsfc.nasa.gov







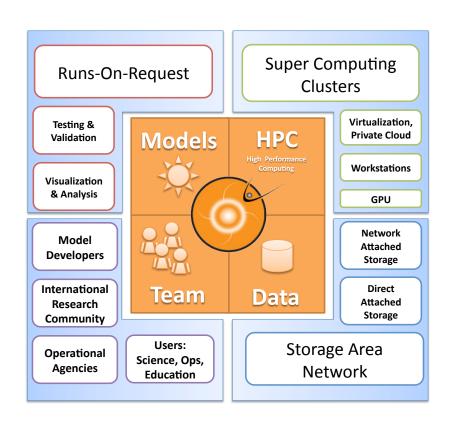


# in-fra-struc-ture

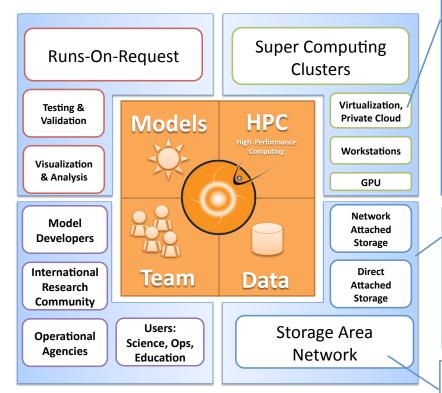
: the underlying foundation or basic framework (as of a system or organization)

"infrastructure." Merriam-Webster.com. Merriam-Webster, 2014. Web. 29 March 2014.

## **CCMC** Infrastructure



## **CCMC Infrastructure (Behind The Scenes Highlights)**



#### **CCMC Virtualization**

- Flexible Computing Environment
- Excellent configuration management
- Quick and easy backups
- High-Availability Redundancy
- Quickly redeploy services and apps
- Efficient Development & Testing
- Disaster Recovery
- Future Cloud Migration Capability
- Quick Server Provisioning
- Reduced Data Center Footprint
- Better server isolation

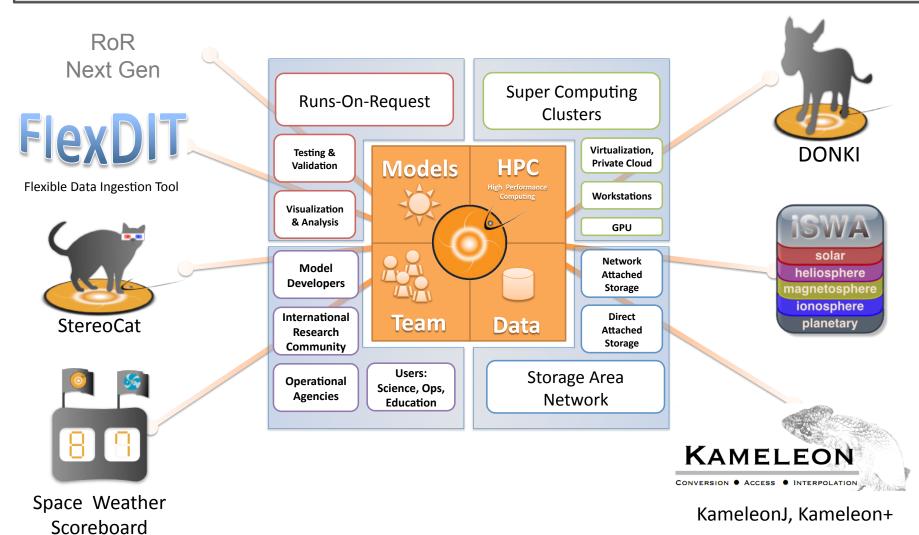
# Time Series Data Warehouse

- Optimized for time series data
- Dynamic access and query capabilities
- Observational data + model data

#### **SAN Storage**

- Scalability
- Performance
- · High-Availability
- Dedicated SAN for RoR Archive
- dual 250TB SAN with auto mirroring

## **CCMC Infrastructure (Highlights)**





# FlexDIT

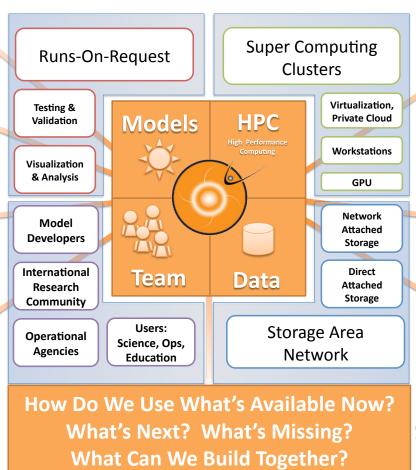
Flexible Data Ingestion Tool



StereoCat



Space Weather Scoreboard









KameleonJ, Kameleon+